

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Rockcastle County, Kentucky**

**Kentucky State Nature Preserves
Commission
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Rockcastle	Vascular Plants	<i>Agrimonia gryposepala</i>	Tall Hairy Groovebur	T /	G5 / S1S2	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Calopogon tuberosus</i>	Grass Pink	E /	G5 / S1	0	1	0	0	0
Rockcastle	Vascular Plants	<i>Carex hystericina</i>	Porcupine Sedge	H /	G5 / SH	0	1	0	0	0
Rockcastle	Vascular Plants	<i>Castilleja coccinea</i>	Scarlet Indian Paintbrush	E /	G5 / S1	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	S /	G5 / S3	0	1	0	0	0
Rockcastle	Vascular Plants	<i>Hedeoma hispidum</i>	Rough Pennyroyal	T /	G5 / S2	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Lilium philadelphicum</i>	Wood Lily	T /	G5 / S2S3	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Oenothera perennis</i>	Small Sundrops	E /	G5 / S1S2	0	0	0	1	0
Rockcastle	Vascular Plants	<i>Paxistima canbyi</i>	Canby's Mountain-lover	T / SOMC	G2 / S2	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	S /	G4 / S3	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Spiraea virginiana</i>	Virginia Spiraea	T / LT	G2 / S2	4	0	0	0	0
Rockcastle	Vascular Plants	<i>Stenanthium gramineum</i>	Eastern Featherbells	T /	G4G5 / S2S3	0	1	0	0	0
Rockcastle	Vascular Plants	<i>Vallisneria americana</i>	Eelgrass	S /	G5 / S2S3	1	0	0	0	0
Rockcastle	Vascular Plants	<i>Vitis labrusca</i>	Northern Fox Grape	S /	G5 / S2S3	0	1	0	1	0
Rockcastle	Aquatic Snails	<i>Pleurocera curta</i>	Shortspire Hornsnail	S / SOMC	G2 / S2	0	1	0	0	0
Rockcastle	Freshwater Mussels	<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe	E / LE	G1G2 / S1	1	0	0	0	0
Rockcastle	Freshwater Mussels	<i>Alasmidonta marginata</i>	Elktoe	T / SOMC	G4 / S2	9	3	0	0	0
Rockcastle	Freshwater Mussels	<i>Epioblasma brevidens</i>	Cumberlandian Combshell	E / LE	G1 / S1	0	0	0	1	0
Rockcastle	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	0	0	1	1	0
Rockcastle	Freshwater Mussels	<i>Pegias fabula</i>	Littlewing Pearlymussel	E / LE	G1 / S1	10	3	1	0	0
Rockcastle	Freshwater Mussels	<i>Pleurobema oviforme</i>	Tennessee Clubshell	E / SOMC	G2G3 / S1	4	4	3	0	0
Rockcastle	Freshwater Mussels	<i>Ptychobranchus subtentum</i>	Fluted Kidneyshell	E / C	G2 / S1	3	1	1	1	0
Rockcastle	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / SOMC	G3G4T3 / S2	0	0	0	1	0
Rockcastle	Freshwater Mussels	<i>Toxolasma lividus</i>	Purple Lilliput	E / SOMC	G2 / S1	6	2	3	2	0
Rockcastle	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	0	0	0	1	0
Rockcastle	Freshwater Mussels	<i>Villosa trabalis</i>	Cumberland Bean	E / LE	G1 / S1	23	9	14	0	0

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						E	H	F	X	U
Rockcastle	Crustaceans	<i>Orconectes australis packardii</i>	Appalachian Cave Crayfish	T /	G5T2 / S2S3	3	3	0	0	0
Rockcastle	Insects	<i>Dannella provonshai</i>	An Ephemerellid Mayfly	H /	G3G4 / SH	0	1	0	0	0
Rockcastle	Insects	<i>Ophiogomphus howei</i>	Pygmy Snaketail	T / SOMC	G3 / S1S2	2	0	0	0	0
Rockcastle	Insects	<i>Ophiogomphus mainensis</i>	Maine Snaketail	E /	G4 / S1	0	2	0	0	0
Rockcastle	Insects	<i>Stylurus notatus</i>	Elusive Clubtail	E / SOMC	G3 / S1	0	0	0	0	1
Rockcastle	Insects	<i>Stylurus scudderi</i>	Zebra Clubtail	E /	G4 / S1	0	0	0	0	1
Rockcastle	Other Invertebrates	<i>Pseudotremia unca</i>	A Cave Obligate Millipede	T /	G1 / S1S2	0	1	0	0	0
Rockcastle	Fishes	<i>Etheostoma cinereum</i>	Ashy Darter	S / SOMC	G2G3 / S3	21	0	0	0	0
Rockcastle	Fishes	<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	T /	G3G4 / S2	1	0	0	0	0
Rockcastle	Fishes	<i>Percina squamata</i>	Olive Darter	E / SOMC	G3 / S1	5	0	0	0	0
Rockcastle	Fishes	<i>Phenacobius uranops</i>	Stargazing Minnow	S /	G4 / S2S3	0	2	0	0	0
Rockcastle	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	0	1	0	0	0
Rockcastle	Reptiles	<i>Eumeces anthracinus</i>	Coal Skink	T /	G5 / S2	1	0	0	0	0
Rockcastle	Breeding Birds	<i>Ammodramus henslowii</i>	Henslow's Sparrow	S / SOMC	G4 / S3B	1	0	0	0	0
Rockcastle	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	14	0	0	0	0
Rockcastle	Mammals	<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	E / LE	G4T2 / S1	4	0	0	0	0
Rockcastle	Mammals	<i>Myotis leibii</i>	Eastern Small-footed Myotis	T / SOMC	G3 / S2	4	0	0	0	0
Rockcastle	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	11	1	0	1	0
Rockcastle	Communities	<i>Appalachian mesophytic forest</i>		/	GNR / S5	1	1	0	0	0
Rockcastle	Communities	<i>Appalachian sub-xeric forest</i>		/	GNR / S5	2	0	0	0	0
Rockcastle	Communities	<i>Calcareous mesophytic forest</i>		/	GNR / S5	2	0	0	0	0
Rockcastle	Communities	<i>Cumberland plateau gravel/cobble bar</i>		/	GNR / S2	1	0	0	0	0
Rockcastle County Total:						141	40	23	10	2